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OpenDeploy® Release Notes

Release 5.5.1

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Introduction

This document contains information about OpenDeploy® 5.5.1 software. The information contained in this Release Notes document addresses the following topics:

- Information regarding how to obtain new and updated information about OpenDeploy and other Interwoven products.

- New or improved features and functionality in this release of OpenDeploy.

- Supplemental information on OpenDeploy to better understand how the software works.

- Product issues and limitations.

Additional Resources

Readme Files

README files, located in many of the installed directories, provide additional examples or information on available features.

Information Available on the Web

These Release Notes and other Interwoven product information are located at:

```
http://support.interwoven.com
```

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System Requirements

This section lists the hardware and software requirements to install and run OpenDeploy.

Operating System and CPU Power

The following table lists the supported operating systems and the recommended CPU type:

Operating System	CPU Power
Windows NT® (x86) 4.0 Server (Service Pack 6a)	600 MHz Pentium® II
Windows® 2000 Server (Service Pack 2)	600 MHz Pentium II
Solaris™ 2.6, 2.7 (Solaris 7), 2.8 (Solaris 8) (32-bit and 64-bit)	Ultra5 SPARC™
AIX® 4.3.3 (base server and receiver software only)	375MHz PowerPC® (IBM RS/6000)

Localization

OpenDeploy is supported on the following localized operating systems:

Language	Windows NT	Windows 2000	Solaris 2.7 (Solaris 7)
U.S. English	x	x	x
Japanese	x	x	x
French		x	x
German		x	x

Required Operating System Patches

This section contains information regarding operating system patches for use on OpenDeploy host servers. These patches are provided and maintained by the operating system makers, and they periodically change their Web sites. If you cannot find the operating system patch information you want here, go to the home page of the operating system maker for information related to patches.

Windows

There are no Windows patches required at this time.

Solaris

There are required patches for using OpenDeploy with Solaris. Check the Sun web site:

```
www.sun.com
```

for patches required to run Java for your Solaris platform

AIX

You should check the following Web site for IBM Java JDK patch information:

```
www.ibm.com/java/jdk/download
```

OpenDeploy running on AIX uses the JRE 1.3.0.

RAM Requirements

Your server should have at least 256 megabytes (MB) of RAM to operate OpenDeploy software. More RAM is preferred, particularly if the server is also running TeamSite or contains multiple OpenDeploy software components as part of a single-host installation configuration.

Storage Requirements

The following table lists the temporary and permanent storage requirements for installing and running OpenDeploy. During installation, additional temporary storage is required. Following installation, only the permanent storage is needed.

Platform	Component	Temporary	Permanent
Windows	base server*	300 MB	200 MB
Windows	receiver	300 MB	60 MB
Solaris	base server*	700 MB**	500 MB
Solaris	receiver	700 MB**	150 MB
AIX	base server	700 MB**	150 MB
AIX	receiver	700 MB**	150 MB
* Includes operations server and administration server software.			
* *You must delete the installation .tar files following installation to reclaim the temporary space.			

Log Storage

These storage requirements do not include the extra storage needed for the logs generated by the base server and receiver software. Deployment logs generated by OpenDeploy are cumulative and can grow very large in time. You should include additional storage space for those logs, and develop a log file size management policy.

Supported Browsers

OpenDeploy supports these browsers for use in accessing the user interface on Windows and UNIX servers:

- Internet Explorer 5.0

- Netscape 4.7.x

Release Compatibility

The following sections describe compatibilities between various versions of OpenDeploy, and between OpenDeploy and other Interwoven products. Contact Interwoven customer support for any compatibility questions not addressed here.

Deploying Files Between OpenDeploy Releases

OpenDeploy 5.5.1 can deploy files to target hosts with the following OpenDeploy software installed:

- OpenDeploy 5.5.1 or 5.0.1 base server

- OpenDeploy 5.5.1, 5.0.1, or 4.5.2 receiver

Also, the following provisions apply when deploying files between different OpenDeploy releases:

- Reverse deployments are not supported.

- Fan-out transactional deployments are supported for one or more OpenDeploy 5.5.1 or 5.0.1 targets.

- Point-to-point transactional deployment is supported for OpenDeploy 4.5.2 targets. OpenDeploy 4.5.2 sending (client) software must be installed on your OpenDeploy 5.5.1 source host in order to deploy to OpenDeploy 4.5.2 targets. TeamSite 5.5.1 comparison deployments are not supported for OpenDeploy 4.5.2 targets.

Deploying to an OpenDeploy 4.5.2 target host requires additional configuration in both the base server configuration file (by default `odbase.xml`) and the deployment configuration. Refer to the section "Deploying to OpenDeploy Downward Revision Targets" in Chapter 2 of the *OpenDeploy Administration Guide* for more information.

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Running Multiple Releases of OpenDeploy

OpenDeploy 5.5.1 and 4.x can be installed and run on the same host server. Both releases can run simultaneously and perform full OpenDeploy tasks, including sending and receiving deployed files to and from other OpenDeploy hosts of the same release.

If you are running OpenDeploy 4.x (receiver) server software and 5.5.1 receiver software on the same host, each software component must use a different port to avoid conflicts. The default port numbers for these two software component releases during installation are different, so you only need to change their port numbers if you manually assigned the same port number to both of them.

OpenDeploy and Operations Server/TeamSite OpenAPI

OpenDeploy is compatible with its native operations server software and the OpenAPI packaged with TeamSite 5.0.1 or later.

OpenDeploy 5.5.1 is *not* compatible with the operations server software of any other OpenDeploy release.

If OpenDeploy 5.5.1 and TeamSite 5.0.1 or later are installed on the same server host, both products must use TeamSite OpenAPI instead of the operations server software that comes with OpenDeploy. If TeamSite 5.0.1 or later is *not* present on your OpenDeploy base server host, then you must install and use the OpenDeploy operations server software. If you install TeamSite 5.0.1 or later onto your existing OpenDeploy host, you must reconfigure OpenDeploy to use TeamSite OpenAPI instead of the operations server software.

OpenDeploy and Administration Server

OpenDeploy 5.5.1 includes a dedicated administration server software component used for generating and managing the OpenDeploy user interface. This administration software is separate from the TeamSite administration software. A host with both OpenDeploy and TeamSite installed will have two separate administration server software components, one for each software product.

OpenDeploy 5.5.1 is *not* compatible with the administration software of any other OpenDeploy release.

OpenDeploy and TeamSite

OpenDeploy 5.5.1 is compatible with TeamSite 5.0.1 or later.

If you are using a version of TeamSite earlier than release 5.5.1, you must modify your OpenDeploy base server configuration to support that TeamSite version. Refer to the section "Specifying Downward Revision TeamSite Releases" in Chapter 2 of the *OpenDeploy Administration Guide* for more information.

OpenDeploy and DataDeploy

OpenDeploy 5.5.1 is compatible only with DataDeploy 5.5.1 and 5.2.

OpenDeploy requires additional configuration to work with DataDeploy. Refer to the *OpenDeploy Administration Guide* for more information.

OpenDeploy 5.5.1 Enhancements

OpenDeploy 5.5.1 contains the following enhancements:

TeamSite 5.5 Multi-Store Support

OpenDeploy works with the TeamSite 5.5 multi-store capability. A single deployment configuration file may reference multiple content source locations that point to designated branches of different TeamSite backing stores. This allows you to deploy content from multiple stores without requiring a separate deployment for each store.

Deployment Configuration Composer

The Deployment Configuration Composer has been added to the browser-based OpenDeploy user interface. This new tool enables deployment users to author and edit OpenDeploy deployment configurations without having modify files using a text or XML editor. No prior knowledge of XML is required to use the Deployment Configuration Composer. A visual navigation tree outlines the structure of the deployment configuration file. Errors are reported by the tool, which allows you to catch mistakes, such as missing or incomplete elements, before putting the configuration into production.

Mixed-Releases of OpenDeploy in the Enterprise

This release of OpenDeploy has been certified to deploy files to hosts running the OpenDeploy 5.0.1 base server and receiver software, and hosts running the OpenDeploy 4.5.2 receiver software.

Secure Invocation of External Applications on UNIX

The Deploy and Run scripting facility has been enhanced to launch external applications on UNIX servers using the deployment user's ID as the process owner. This applies to both sender- and receiver-side Deploy and Run invocations. This feature helps prevent a sender from launching potentially harmful operations that the user is not permitted to perform on sending and receiving systems. Although this feature applies only to deployments running on UNIX hosts, deployments can be initiated from OpenDeploy running on either UNIX or Windows hosts. This feature applies to deployments started using either the OpenDeploy user interface or the `iwodstart` command-line tool.

Deployment Job Queuing

OpenDeploy allows you to line up, or *queue*, a second occurrence of the same deployment, or *job*, to the sending host initiating the deployment. The OpenDeploy sending host will only queue the last same-named job, replacing an existing same-named job that's already on the queue, but not currently running. This action protects against concurrency problems that would arise if multiple instances of a deployment were sent simultaneously. This feature is useful in an environment where incremental changes are pushed out to production frequently, and there is a risk that a deployment might be submitted while a previous deployment having the same name is still running.

Internationalization

All OpenDeploy 5.5.1 product components can run on multi-byte operating systems. OpenDeploy 5.5.1 is capable of deploying content whose filenames contain multi-byte characters. Files are converted according to the local encoding. See "Localization" on page 6 for a list of supported operating systems.

AIX Support

This release of OpenDeploy supports IBM AIX 4.3.3 hosts running the base server or receiver software. There is currently no AIX support for the operations server or administration server software. However, you can run the operations and administration server software on a supported Windows or Solaris host, and then manage AIX base server and receiver hosts.

Supplemental Information

This section contains supplemental information or workarounds for selected OpenDeploy topics.

Recommended Limits for Number of Deployment Legs

It is recommended that the total number of sending and receiving legs for all active deployments on one system not exceed 50. A "leg" is considered the movement of a specific set of deployed files from a source file location to a target file location. You can compute the number of legs in a deployment by summing the number of node references used in all deployment definitions that will be executing simultaneously.

In a deployment containing the following target replication farms:

- *myFarm1* (containing four target host node references)

- *myFarm2* (containing five target host node references)

and the following definitions:

- Definition *myDefA* (deploying to *myFarm1*)

- Definition *myDefB* (deploying to *myFarm2*)

- Definition *myDefC* (deploying to *myFarm2*)

the total number of legs would be 14: (4 used by *myDefA*) + (5 used by *myDefB*) + (5 used by *myDefC*)

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Configuring the Netscape Browser for Internationalization

If you are using the Netscape browser to view an internationalized version of the OpenDeploy user interface, you must configure the browser so that its default fonts are Unicode compatible and override any document-specified fonts.

To configure your Netscape browser to work with an internationalized version of OpenDeploy, follow these steps:

1. Select **Edit>Preferences** in your Netscape browser to open the **Preferences** dialog box.

2. Select **Appearance>Fonts** to display the **Fonts** information.

3. Select **Unicode** from the **Language encoding** list.

4. Select **Arial Unicode MS** or some other compatible font from the **Variable Width Font** list.

5. Select **Arial Unicode MS** or some other compatible font from the **Fixed Width Font** list.

6. Select the **Use my default fonts** option to override any document-specified fonts.

7. Click **OK**.

Changes to the Configuration DTDs

This section lists and describes the changes in the OpenDeploy configuration DTDs since the previous release of OpenDeploy.

Deploy Server Configuration DTD

The following modifications have been made to the deploy server configuration DTD (`odserver.dtd`):

Items Added

- The `oldOdHome` element.

- The `initiatorProperties` element.

- The `teamsiteProperties` element.

Items Changed

- The `allowedDirectories` element is no longer a top-level element. It now it exists as a child element of `node`.

- The `bindPort` attribute of the `listenerProperties` element is now required.

- The `host` attribute of the `node` element is now required.

- The `node` element now requires at least one `allowedDirectories` child element.

- The `path` element is now defined as EMPTY.

- The `logRules` element is now defined as EMPTY.

Nodes Configuration DTD

The following modifications have been made to the nodes configuration DTD (`odnodes.dtd`):

Items Changed

All `name`, `host`, and `port` attributes of the `nodes` element are now required.

Deployment Configuration DTD

The following modification have been made to the deployment configuration DTD (`oddeployment.dtd`):

Items Added

- The `filters` child element to the `target` element

- The `filters` child element to the `reverseTarget` element

- The `downRev` attribute to the `execDeploymentTask` element

- The `version` attribute to the `sourceTeamsite` element

- The `rmReadOnly` attribute to the `transferRules` element

Items Removed

- The `targetTeamsite` element

- The `path` child element from the `targetRules` element

- The `filters` child element from the `path` element

- The `nodeSetFile` attribute from the `deploymentConfiguration` element

- The `name` attribute from the `targetFilesystem` element

- The `name` attribute from the `comparisonRules` element

- The `name` attribute from the `transferRules` element

- The `name` attribute from the `sourceTransferRules` element

- The `name` attribute from the `permissionRules` element

- The `name` attribute from the `userTranslation` element

- The `name` attribute from the `groupTranslation` element

- The `use` attribute from the `comparisonRules` element

- The `use` attribute from the `transferRules` element

- The `use` attribute from the `sourceTransferRules` element

- The `use` attribute from the `permissionRules` element

- The `use` attribute from the `userTranslation` element

- The `use` attribute from the `groupTranslation` element

- The `targetArea` attribute from the `sourceFilesystem` element

- The `remoteCompare` attribute from the `comparisonRules` element

Items Changed

- The `area` attribute of the `targetRules` element is now optional.

- The `useReplicationFarm` attribute of the `target` elements is now required.

- The `useReplicationFarm` attribute of the `reverseSource` element is now required.

- The `previousArea` attribute of the `sourceTeamsite` element is now required.

- The `name` attribute of the `path` element is now CDATA and is now required.

- The `from` and `to` attributes of the `userTranslation` element are now required.

- The `from` and `to` attributes of the `groupTranslation` element are now required.

- The `useNode` attribute of the `nodeRef` element is now required.

- The `deployment` attribute of the `nextDeployment` element is now required.

- The `source` element may contain multiple `sourceFilesystem` or `sourceTeamsite` child elements.

- The `sourceFilesystem` element can now contain multiple `pathSpecification` child elements.

- The `sourceTeamsite` element can now contain multiple `pathSpecification` child elements.

- The `pathSpecification` element must now contain only one `path` attribute.

- The `dateDifferent` and `revert` attributes of the `comparisonRules` element are mutually exclusive.

- The `location` attribute of the `dnrFile` and `dnrDir` elements only supports the value `target`.

- The `location` attribute of the `dnrFile` and `dnrDir` elements only supports the value `target`.

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Known Issues

The following sections describe known issues with OpenDeploy release 5.5.1.

Installing or Upgrading OpenDeploy on Windows

When installing or upgrading OpenDeploy on Windows, make sure the Services window is closed. Otherwise, the OpenDeploy services might not be properly registered. This is due to a known Microsoft bug. The Services window must be completely closed, not simply minimized, to avoid this problem.

Host Failure Due to Insufficient Disk Storage

The OpenDeploy base server and receiver software will fail if there is insufficient disk storage for the deployment. See "System Requirements" on page 6 for more information.

Assigning User and Group Translations in Deployment Configuration Composer

The **To** and **From** boxes associated with the User Translations and Group Translations features residing in the Permission Rules window of the Deployment Configuration Composer are required for using that feature, even though they are not identified as such in the user interface.

Buttons in System Roles Window Display Improperly

Clicking on either the **Add** or **Remove** buttons in the System Roles window causes the buttons to appear "greyed-out." This typically indicates the feature is disabled. However, in this case, these buttons will continue to function normally. This tendency has been found when using either Internet Explorer or Netscape Navigator.

In-Memory XML Log Entries Incorrect On Failed Transactional Deployments

If you have a Deploy and Run script that parses the in-memory XML log (using `IWXML.pm`) you will normally receive a list of files that were successfully deployed, successfully deleted, and failed to deploy. However, if the deployment is transactional and a failure occurs triggering OpenDeploy to roll back the deployment and restore the host files to the previous state, the XML log will only reflect the initial deployment of files, not the rolling back of them. The in-memory XML log will contain incorrect information indicating files were successfully deployed, and ignoring the subsequent roll back.

OpenDeploy-DataDeploy Synchronization

When an incorrect encoding is specified in the customization section of the `ddsync.ipl` script, the script actually will abort. However, OpenDeploy is not informed of this from the Deploy and Run process and OpenDeploy will proceed as if the script execution succeeded.

The `ddsync.ipl` needs to validate the encoding and inform OpenDeploy of an error if the encoding is invalid. To enable this, you must apply the following fix to the `ddsync.ipl` script:

Insert the following perl code snippet after line 300 as follows:

```
    if ($input_encoding ne "NONE")
    {
        ...
        require TeamSite::I18N_utils;
# begin snippet
        my $encoding =TeamSite::I18N_utils::promote_encoding($input_encoding);
        if ($encoding ne 'UTF-8' && $encoding ne 'UTF-16') {
            my $map  = Unicode::Map->new( $encoding );
            if (! $map ) {
                print OUTFILE "ERROR: Unrecognized encoding specifed in script\n";
                my $tell_od_of_err = qq[<response code="-2" />\n];
                print STDOUT $tell_od_of_err;
                close OUTFILE;
                exit 1;
            }
        }
# end snippet
        ...
    }
```

Using the Netscape Browser

The following known issues pertain to running the OpenDeploy user interface with a supported Netscape browser.

Using the Log Viewer

If you are viewing log files using the Log Viewer window in the user interface, it may not be possible to scroll through the logs. However, you may view the log files using an ordinary text editor.

Internationalization Issues

The OpenDeploy user interface has some known issues when using the Netscape browser on an internationalized operating system. If a deployment configuration file contains multi-byte characters in the file name, these characters may not display properly. It may also not be possible to upload such a configuration file using the upload configuration feature. However, you can still make modifications to the deployment configuration by moving it to the *od-home*/conf directory and edit it using the Deployment Configuration Composer.

OpenDeploy Installation Messages on French and German Solaris Hosts

When installing OpenDeploy 5.5.1 on a French or German Solaris host, the installation messages may not wrap correctly, resulting in incomplete installation information being displayed. You can properly display these messages by using a wider shell window.